

In the Drawings

*Drawing changes in which an additional cross-sectional figure is added is being submitted in a separate letter of the Examiner's approval.*

In the Claims

*Please amend claims 1, 10-13 and 16 as follows:*

ATC 1. (Amended) An aircraft deicer panel comprising an inner support layer which is electrically insulating, an outer cover layer which is thermally conducting, a heater layer which is electrically insulating, and an electrical heating element attached to the heater layer;

wherein the electrical heating element comprises an electrically conductive strand stitched in the heater layer in a heat-dissipating pattern;

wherein the stitched heater layer is joined to the inner support surface and the outer cover layer; and

wherein the inner support layer has a bondside surface adapted to be secured to an ice-susceptible surface of an aircraft.

AN 10. (Amended) In combination, an aircraft and a deicer panel as set forth in claim 1, the [deicer panel] bondside surface of the inner support layer being [secured] cemented to [an] the ice-susceptible [member] surface of the aircraft.

11. (Amended) A combination as set forth in claim 10, wherein the ice-susceptible [member] surface is on a wing of the aircraft.

12. (Amended) In combination, an aircraft and a deicer panel as set forth in claim 1 secured to each wing of the aircraft, the bondside surface of the inner support layer of each deicer pane being cemented to the respective wing.

~~Sub 13. (Amended) A method of making the aircraft deicer panel of claim 1, said method comprising the steps of:~~

~~stitching the electrically conductive [wire] strand into the heater layer in the heating-dissipating pattern; [and]~~

~~joining the stitched heater layer to the inner support layer and the outer cover layer; and~~

~~securing a bondside surface of the inner support layer a surface of an aircraft.~~

~~A3 16. (Amended) A method of making an aircraft deicer panel, comprising the steps of:~~

~~providing an inner support layer which is electrically insulating, an outer cover layer which is thermally conducting, and a heater layer which is electrically insulating;~~

~~stitching an electrically conductive strand in the heater layer in a heat-dissipating pattern; [and]~~

~~joining the inner support layer, the heater layer, and the cover layer together; and~~

~~securing a bondside surface of the inner support layer to a surface of an aircraft.~~

*Please add the following claims 24-32:*

~~24. (Added) A deicer panel as set forth in claim 1, wherein the inner support layer comprises a rubber-coated fabric.~~

~~25. (Added) A deicer panel as set forth in claim 24, wherein the outer cover layer is made from a material selected from a group consisting of sheet aluminum alloy, stainless steel and magnesium alloy.~~

~~26. (Added) A deicer panel set forth in claim 1, further comprising a thermal conducting layer positioned between the heater layer and the outer cover layer.~~